1985

OREGON STATE & ARRL NORTHWESTERN DIVISION CONVENTION

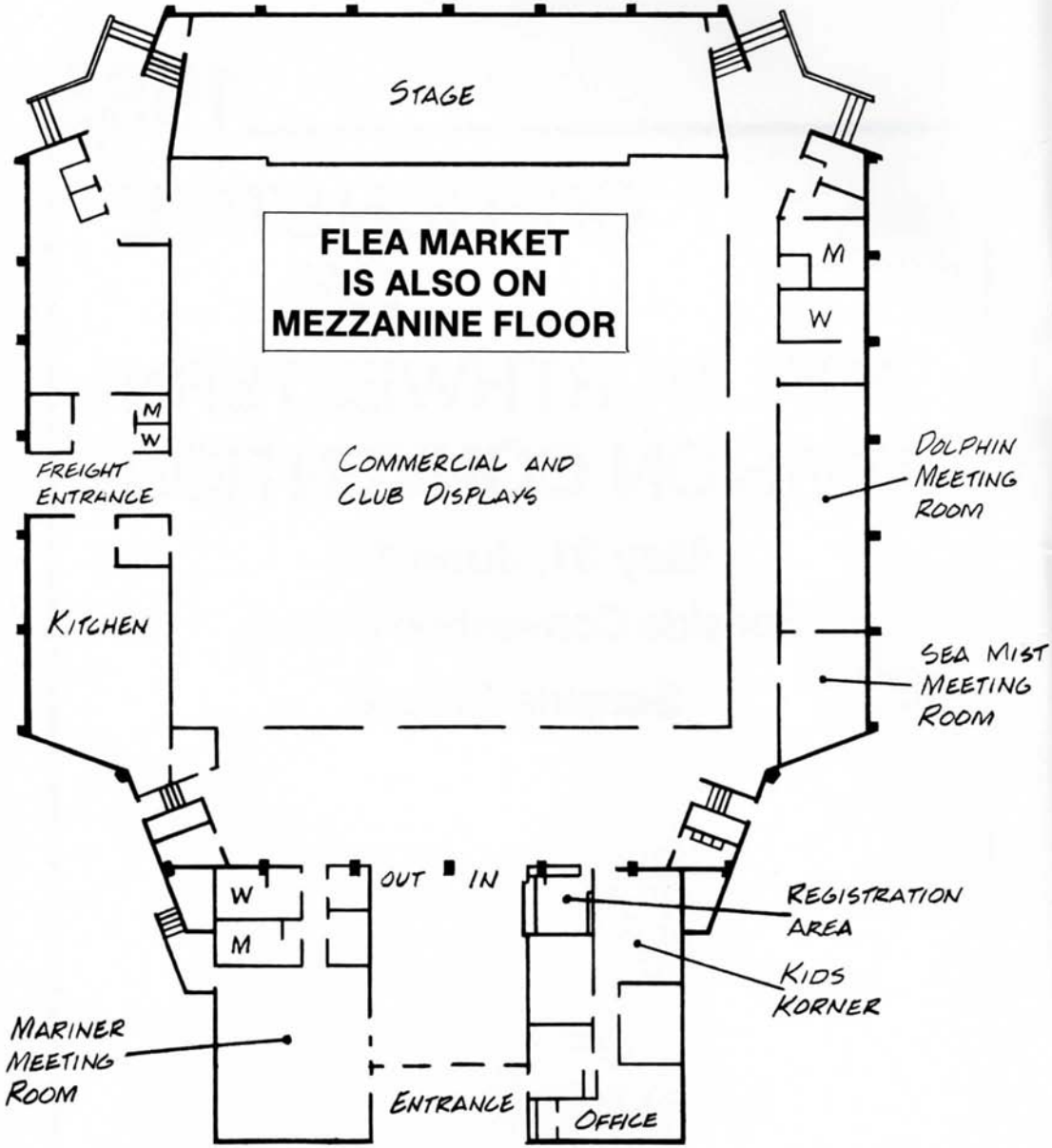
May 31, June 1-2

Seaside Convention Center

Seaside, Oregon

Co-Sponsored By

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB
and the
NORTH COAST REPEATER ASSOCIATION



FOR CONVENTION INFORMATION AND ANNOUNCEMENTS, LISTEN ON:
146.52 (Simplex)
145.45 (-600 KHz)

VICTOR ATIYEH
GOVERNOR

OFFICE OF THE GOVERNOR
STATE CAPITOL
SALEM 97310

May 31, 1985

On behalf of the State of Oregon, it is my pleasure to extend a hearty welcome to all those participating in this year's

FIFTH ANNUAL OREGON STATE HAM CONVENTION.

Again this year, it is Oregon's pleasure to greet nearly 3,000 of you. I trust that beautiful Seaside and the Oregon coastline will provide not only a thrilling backdrop for your event, but a nearby escape for any spare moments.

Best wishes for a most successful convention.

Sincerely,

Vic Atiyeh
Governor

Schedule of Program Events . . .

Friday, May 31st

5 p.m. to 8 p.m. Registration. Exhibits open.

CONVENTION CENTER MARINER ROOM

7 p.m. Recent Radio Adventures
Stan Griffiths, W7NI

8 p.m. Antennas & Antenna Construction For The Beginner/Rush Drake, W7RM

Saturday, June 1st

All Day — Snack Bar & Ladies' Treasure Hunt

8 a.m. — Registration, Exhibits and Flea Market open.

9 a.m. — Kids Krayons & Kartoons until 5 p.m.

Intruder Watch
Gib Gibson, W7JIE

10:00 a.m. — ARRL SEC Manager Meeting
Econo Lodge, Room 125

ARRL/VE Testing
Please see Page 7

10:30 a.m. Packet Radio
Al Rooner, WA2TMP

11:30 a.m. — Ladies Luncheon, Elks Lodge

Northwestern Amateur Radio Council Meeting - Econo Lodge, Room 125

12 Noon — QCWA Luncheon

1:00 p.m. — Repeaters' Owners Forum
Econo Lodge, Room 125

Data Communications: From Morse to Packet
Dr. Allan Chandler

2:30 p.m. — ARRL Cabinet Meeting
Dolphin Room

Why Packet?
Peter Dahl, WA7FUS
Budd Churchward, WB7FHC

4:00 p.m.

ARRL Forum
Bill Lazzaro, N2CF

5:00 p.m. — Convention Center Closes

No Host Cocktail Hour, Shilo Inn, Dolphin Room

6:45 p.m. — Convention Center Opens for Banquet Seating

7:00 p.m. — Banquet

Sunday, June 2nd

7:30 a.m. — No Host Breakfast
Seaside Elks Club, 324 Avenue A

9:00 a.m. — Registration, Exhibits and Flea Market Open

Kids Krayons & Kartoons until Noon.

9:30 a.m.

My Ticket Arrived,
Now What's The Next Step?
Dee Lynch, KA7NPN

10:30 a.m.

SELCALL With State Machines
Neil Robin, WA7NBF

12:30 p.m. to 1:30 p.m. Prize Drawings

2:00 p.m. — Convention Closes
"Hope To See You Next Year"

May 31st, June 1st - 2nd

	SHILO INN DOLPHIN #1	SHILO INN DOLPHIN #2
	June 1st through 8th, 1985 ***Amateur Radio Week in Oregon***	
9 a.m.	Emergency Coordination & The ARES Bill Shrader. W7QMU Tom Rickert. N7CPA	Radio Controlled Models "A Hobby Within A Hobby" Mark Walker. W7CLU
10:30 a.m.	NBS 2 Meter Yagi Antennas From The Corner Hardware Store Ken Kopp. KØPP	Astronomy For The Ham Sandy Mikalow. K7OOZ
1:00 p.m.	Traffic Handling Vic Seeburger. W7VSE	What's New With Antennas Jim Ross. N6IEY Alex Wells. KA7MBT
2:30 p.m.	Choosing & Using Powdered Iron Cores Roy Lewallen. W7EL	Safe. Mechanical & Electrical Rotor Speedup For Most Rotors Ken Glanzer. K7GCO
4:00 p.m.	Home. Safe. Home Chuck & Nancy Campbell	Packet Radio: It's Problems & Their Solutions Peter Dahl. WA7FUS Budd Churchward. WB7FHC
9:30 a.m.	Packet Radio Al Rooner. WA2TMP	160/80M Antennas for Small Lots Ken Kopp. KØPP
10:30 a.m.	One Knob Antenna Tuner Ken Glanzer. K7GCO	

HENRY REPORT #2

New models reflect our policy by design. Technology moves fast. At Henry Radio we keep up with a steady flow of new models, some for amateur use, some for commercial use, some for industrial use and some for scientific research.

Here are three new models for this month:
*New UHF model 3004 1500 watts output at 440 mHz.
*New VHF model 3002 1500 watts output at 144 mHz.
*New HF 5K Classic, 3.5 to 30 mHz (not for sale to U.S. amateurs)

These three added to the already broad line of amplifiers we offer means that we can now cover two mHz to 500 mHz and power outputs as high as 10,000 watts depending on frequency. This may be the most complete line of power RF amplifiers available in the world.

Let us know your requirements. We want to help you.

2K Classic...the culmination of more than fifteen years of developing the 2K series into the world famous line that sets the standards for top quality HF linears. A true "workhorse"; built to loaf along at full legal power, trouble free, for years of hard service. Operates on all amateur bands, 80 through 15 meters (export models include 10 meters).

2K Classic "X"...We can't think of any way to make this magnificent 2000 watt amplifier better. Rugged...durable...the last amplifier you may ever need to buy.

3K Classic...uses the superb Eimac 8877 tube. More than 13db gain. We believe the 3K to be the finest amateur linear available anywhere...the amplifier of every amateur's dreams.



2KD Classic...a desk model designed to operate at 2000 watts effortlessly, using two Eimac 3-500Z glass envelope triodes, a Pi-L plate circuit and a rotary silver plated tank coil. We challenge you to find a better desk model for even a thousand dollars more.



2002-A...a bright new rework of our popular 2002 2 meter amplifier. Uses the new Eimac 3CX800A7. The RF chassis uses a 1/4 wave length strip line design for extreme reliability. It provides 2000 watts input for SSB and 1000 watts input for CW. Because this tube is rated at an unheard of 15dB gain, only about 25 watts drive is required for full output.



2004-A is identical to the 2002A except that it is set up for the 430 to 450 MHz band. This amplifier uses a 1/2 wave strip line and offers all of the same specifications as the 2002A.

1002-A A rack mount 2 meter amplifier with the same design as the 2002A, except using one 8874 tube for 1/2 power specifications. Rated at 600 watts PEP output and 300 watts continuous carrier output. It employs the same strip line design as the 2002A.

1004-A...a rack mount half-power version of the 2004A. Covers the 430 to 450 MHz band using a 1/2 wave strip line design.

Henry amateur amplifiers are available from select dealers throughout the U.S. and are being exported to amateurs all over the world. In addition to our broad line of commercial FCC type accepted amplifiers we offer special RF power generators for industrial and scientific users. Call or write Ted Shannon or Mary Silva for full information.

We stock these plus many other fine names:
AEA • ARCO • AARL • ASTRON • B & K • B & W • BIRD • CDE • CONNECT-SYSTEMS • CUSHCRAFT • EIMAC • HAL • HUSTLER • HY-GAIN • ICOM • KENWOOD • LARSEN • NYE • ROBOT • TEMPO • VIBROPLEX • YAESU

57 YEARS OF SERVICE

Henry Radio

2050 S. Bundy Dr., Los Angeles, CA 90025 (213) 820-1234
931 N. Euclid, Anaheim, CA 92801 (714) 772-9200
Butler, Missouri 64730 (816) 679-3127

TOLL FREE ORDER NUMBER: (800) 421-6631 For all states except California. Calif. residents please call collect on our regular numbers.



SPECIAL PROGRAMS FOR THE LADIES

Saturday, June 1st

11:30 to 1 p.m. Ladies Luncheon $4.25 per person

Location: — Seaside Elks Club
324 Avenue A

Mary Kay Luncheon Program

Pat Norris, a skilled lady in the beauty care field, will be conducting a session covering skin care and color awareness. She will also be working with a live model while demonstrating techniques on glamour make-up. This should be a must for your day's activities.

Home, Safe, Home

Whether you are a homemaker or not, you will find the seminar "Home, Safe, Home" of great interest. Nancy Campbell, assisted by her husband, Chuck, will cover it all. The problem of home security is of ever increasing importance in this day and age. A little time here could pay dividends in the future. Don't miss it. 4 p.m. Shilo Inn, Dolphin #1.

SPECIAL EVENTS

ARRL/VEC Testing (Saturday)

Novice, Technician, general, advanced and extra tests will be given.

Location: Our Saviour Lutheran Church
320 - 1st Avenue

10 a.m. Pre-Registrations only!
2 p.m. Walk-Ins

NO-HOST BREAKFAST (Sunday)

7:30 a.m. $ 3.25 PER PERSON

Location: Seaside Elks Club
324 Avenue A

IC-02AT



IC-2AT

IC-02AT

ICOM 2-Meter Handhelds

If you want a 2-meter handheld with exceptional features, quality built to last and a wide variety of interchangeable accessories, take a look at the ICOM IC-02AT and IC-2AT handhelds.

Frequency Coverage. The IC-02AT covers 140.000 through 151.550MHz and the IC-2AT, 141.500 through 149.994MHz...both include frequencies for MARS operation.

IC-02AT Features. ICOM's top-of-the-line IC-02AT handheld has the following outstanding features:

- DTMF direct keyboard entry
- LCD readout
- 3 watts standard, 5 watts optional (with IC-BP7 battery pack)
- 10 memories which store duplex offset and PL tone (odd offset can be stored in last 4 memories)
- Frequency dial lock
- Three scanning systems: priority, memory and programmable band scan (selectable increments of 5, 10, 15, 20 or 25KHz)

IC-2AT Features. The IC-2AT is ICOM's most popular handheld on the market. The IC-2AT features a DTMF pad, 1.5 watts output and thumbwheel frequency selection. The IC-2A is also available and has the same features as the IC-2AT except DTMF.



Accessories. A variety of slide-on battery packs are available for the IC-02AT and IC-2AT, including the new long-life 800mAh IC-BP8 which can be used with both handhelds.

Other accessories include the HS-10 boom headset, HS-10SB PTT switchbox, HS-10SA VOX unit (for IC-02AT) and an assortment of battery pack chargers.

The IC-02AT and IC-2AT come standard with an IC-BP3 NiCd battery pack, flexible antenna, AC wall charger, belt clip, wrist strap and ear plug. See the IC-02AT and IC-2AT 2-meter handhelds at your local ICOM dealer.

Often imitated, never duplicated.

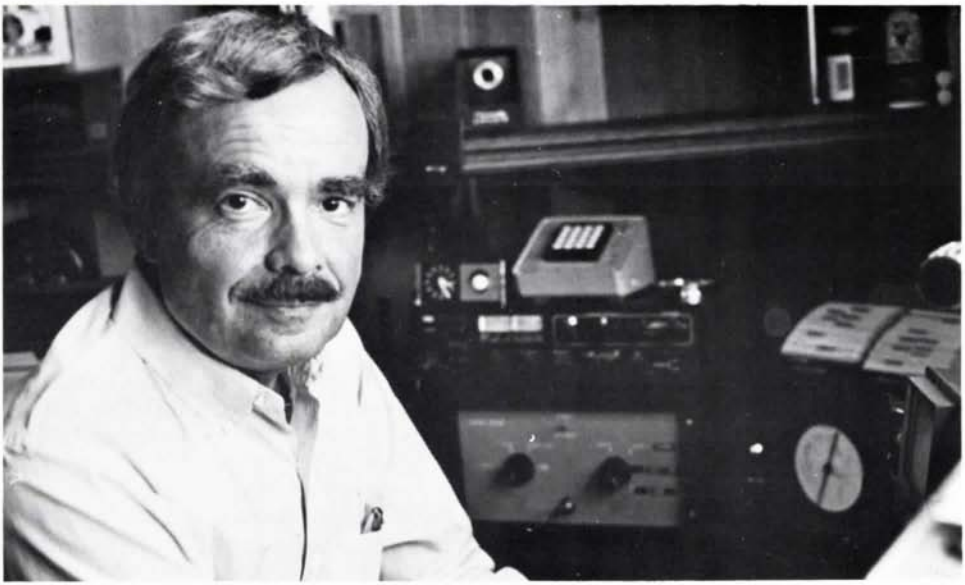
ICOM

First in Communications

ICOM America, Inc., 2380-116th Ave NE, Bellevue, WA 98004 / 3331 Towerwood Drive, Suite 307, Dallas, TX 75234

All stated specifications are approximate and subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. 02AT165

BANQUET SPEAKER, Dave Bell, W6AQ



In 1951, Dave Bell was licensed W8GUE in Andover, Ohio. In 1956, he was DL4NV in Stuttgart, Germany and was a principle operator of DL4USA, originating thousands of phone patches.

In 1960, Mr. Bell moved to Los Angeles, where he was licensed W6BVN. In 1969, with the help of Senator Barry Goldwater, K7UGA, Arthur Godfrey, K4LIB, Bill Leonard, W2SKE, and many others. Mr. Bell produced "The Ham's Wide World" for the American Radio Relay League. He followed that in 1976 with a film entitled, "Moving Up to Amateur Radio," with NBC science editor, Roy Neal, K6DUE, as host. This film is credited with converting many CBers into amateur radio operators. In 1977, Dave operated the CQ Worldwide DX phone contest from Torres' QTH on Macao using his call, CR9AJ. The following year Dave operated during international telecommunications week from 4U1ITU in Geneva, Switzerland, using a special call sign 4UØITU.

In 1979, Dave was in Jordan filming "The World of Amateur Radio" which featured His Majesty, King Hussein, JY1.

"The World of Amateur Radio" is available from radio societies worldwide. It is hosted by Roy Neal and Dick Van Dyke.

In 1983, Dave returned to Jordan to videotape His Majesty speaking with astronaut Owen Garreat, W5LFL, as the space ship Columbia crossed over the Arab world. This scene is part of Roy Neal's new videotape presentation entitled, "Amateur Radio's Newest Frontier."

In 1984, Dave was named "DXer of the Year" by the Southern California DX club and "Amateur of the Year" by the Dayton Ham-vention. He is a life member of the ARRL, a board member of the Northern California DX Foundation, and the past president of the Southern California DX club.

To support his amateur radio activities, Dave is chairman of DBA Communications, Inc., an entertainment mini-conglomerate which produces documentaries, motion pictures, and television specials and series. His latest efforts include the television movie, "Nadia", about the gymnastics sensation, Nadia Comaneci, and the HBO documentaries, "Getting Even — Victims Fight Back," "Missing Persons — Four True Stories," "America The Poisoned."

Mr. Bell and his wife, Sam, N6FTW, live in the hills above Hollywood. Their station consists of a Kenwood TS93ØS, ALPHA 7800, 5-element monoband Yagis for 10, 15, and 20 meters, a two element beam for 40 meters and verticals for 80 and 160.

SPEAKER TOPIC INFORMATION

The ARRL Forum. Bill Lazzaro, N2CF, ARRL Development Manager, will be on hand to explain the League's new plans to increase the Amateur ranks and to also gather new members into the ARRL. Bill is headquartered in Washington, D.C. and so is close to the action. Several other timely subjects will be covered, both by N2CF as well as other ARRL officials in attendance. Be sure to attend and get a first hand update on important happenings that affect us all. Your questions will be answered.

Astronomy For The Ham. Sandy Mikalow, K7OOZ, will present a slide show on the universe and Marc Chamberlin will make a presentation on the multiple mirror telescope at Mt. Hopkins. Sandy will then tie it all together with amateur radio.

Safe, Mechanical & Electrical Speedup For Most Rotors. Ken Glanzer, K7GCO, will show his modified antenna rotor with 3 speeds up and down. It's simple speed up or down of rotators with progressive acceleration and deceleration at a low cost, with variable speeds up to 3.5 rpm.

One Knob Antenna Tuner. Ken Glanzer, K7GCO, will show a one knob tuner with 4 to 5 times the band width for coax and longwire over a T or Die tuner. Using tuner mobile, Ken gets 100kc of 1.5 to 1 band width on his 160, 80 & 40m mobile.

An Introduction to Packet Radio. Al Rooner, WA2TMP, will present the several aspects of Packet Radio, including a theoretical discussion, necessary equipment, cost, amount of local activity and where Packet Radio is headed in the future. Also, a live demonstration is planned and a short video tape showing Portland area packet activity. Also, the Northwest Amateur Packet Radio Association (NAPRA) will be on hand to discuss packet activity in the Seattle area.

Recent Radio Adventures of W7NI. Stan Griffiths, W7NI. What happened at Dayton, large dishes for communication via satellite, and ship to shore hand sent CW is alive and well and paying cash dividends.

Choosing and Using Powdered Iron Cores. Roy Lewallen, W7EL. How to get and use the right core for amateur projects, balloons, broadband transformers, QRP transformers, QRP projects, TVI protection and more. Both pratical rules of thumb and underlying theory will be discussed.

My Ticket Arrived. Now What's The Next Step? Dee Lynch, KA7NPN. Post test shutdown and 8 to 12 weeks of waiting all add up to frustration and uneasiness when making those first contacts. During this session, many topics from what to expect during a QSO exchange, to the basic station will be discussed. Time will be allocated to share experiences or shed some light on unclear areas.

Radio Controlled Models Within Our Hobby. Mark Walker, W7CLU. Past, present and future of radio control and how Amateur Radio fits. The presentation will include working models and demonstrations.

Antennas and Antenna Construction For The Beginner. Rush Drake, W7RM. Hints and kinks for antenna construction will be covered from simple design for dipoles, purchase of materials, and the actual construction from soldering connectors to the stringing of the wire.

continued

SPEAKER TOPIC INFORMATION (continued)

Home, Safe, Home. Chuck and Nancy Campbell. This is a presentation for everyone. It will include the best methods of protecting you and your possessions from fire and intruders. Various alarm systems will be discussed together with common sense fire protection. This professional couple will allow time for questions and answers.

SELCALL With State Machines. Neil Robin, WA7NBF. SELCALL circuits, (selective calling), have been very popular in commercial communications for years. They've only seen limited use in ham radio. This presentation is an overview of an article being published in 73 magazine on "voice" SELCALL. The concept for implementing it is complex but the resulting hardware is very simple. Covered will be: what is a SELCALL circuit, what is a state machine and how you can implement one of your own. Applications in environments such as clubs, emergency teams, and multi-ham families will be discussed.

Data Communication — From Morse to Packet. Dr. Alan Chandler, Vice-President of Engineering at Advanced Electronic Applications, Inc. (AEA), will present a technical history and description of data communication covering Morse, Baudot, ASCII, AMTOR and Packet and their use in amateur radio.

Why Packet? Presented by Peter Dahl, WA7FUS. In a matter of time that can be measured in months, packet radio in the Puget Sound area has grown from two or three experimenters to more than sixty active users all networked together; and each week new stations come on the air. That same kind of growth has started in Oregon and other Pacific Northwest states. Learn what it is all about. Find out why so many HAMS are joining the packet revolution. Discover how packet radio will allow you to send traffic and share QSOs with other hams all over the world using your ordinary VHF transceiver.

Packet Radio: Its Problems, And Their Solutions. Presented by Budd Churchward, WB7FHC, Secretary/Treasurer of NAPRA. Amateur packet radio is for pioneers. There are no experts and there is no such thing as the tried and proven. The art of this digital communications technique is still being developed. Find out about some of the problems that occur when dozens of hams put together a network on one or two frequencies. Find out what people in Washington, Florida, Georgia, New England, and elsewhere have done to solve these problems. Included in this presentation will be a discussion of how Oregon and Puget Sound might solve the problem of linking California to British Columbia.

What's New With Antennas. Two mine representations, the first dealing with antenna element high conductivity coatings will be presented by Jim Ross, N6IEY. The second part will deal with new products including dual band antenna designs and 1290 MHZ antenna designs which will be presented by Alex Well, KA7MBT.

PORTLAND R

1234 S.W. STARK STREET • PORTLA

WELCOMES

A.R.R.L. NORTHWE
OREGON STATE H

—REME

SPECIAL Discounts!

FEATURING:

ICOM

KENWOOD

YAESU

and most

MAJOR LINES



W

MATCH

Quote must be from an Authorized De
does not include demos, discontinued

Price Matching applies only to Kenwood. I

STO

for YOUR FR

"LID OPE

BALLOONS FOR THE KIDS!

SOMETHING FOR THE
LADIES TOO!

PORTLAND RADIO SUPPLY

ADIO SUPPLY

ND, OREGON 97205 • (503) 228-8647

YOU to the

STERN DIVISION -
AM CONVENTION

MBER—

E



PRICES!

r for current products only. Offer
ar, or Factory Closeouts.

M and Yaesu equipment and accessories.

P by

EE OFFICIAL

RATOR"

STOP BY

for a

FREE

VHF

CHECKUP!

FACTORY
TRAINED TECHNICIAN

CONSIGNMENTS WELCOME!
TRADES ACCEPTED!

. YOUR RADIO'S BEST FRIEND!

SPEAKER TOPIC INFORMATION (continued)

Two Meter NBS Yagis From The Corner Hardware Store. Ken Kopp, KØPP, will show a slide presentation on construction of NBS-designed yagis from easily obtained materials. Will cover types of coaxial cables, connectors and power dividers. Plan sheets and "hands-on" samples will be available.

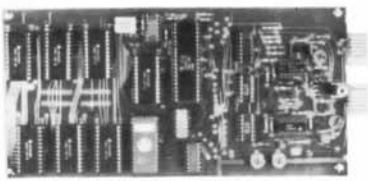
160 and 80 Meter Antennas For Limited Spaces. Ken Kopp, KØPP. A slide presentation showing methods of building efficient top-loaded verticals for 160 and 80 meters. Includes ground screen and low-noise receiving loop construction.

Intruder Watch, Gib Gibson, W7JIE (retired Dept. of Defense Telecommunications Manager), will present the International Amateur Radio Union (IARU) monitoring services seminar on strange signals in the ham bands. Using taped signals, Gib will analyze the noises we all hear. What are the noises? Is it intentional interference from those that want the ham bands? Should prove to be interesting.

GLB PACKET RADIO CONTROLLER

Now you can get in on the fun in packet radio!

* Ready to operate - wired and tested - **Low Cost**
* Operates with Voice Transceivers.
* Easy to learn, easy to operate.
* Built in Packet Modem and CW identification.
* Use with a computer, terminal or Teletype Machine.
* Terminal Code is ASCII or BAUDOT.
* Terminal Speeds from 45 to 9600 Baud.
* Radio Link Speeds of 300, 600 or 1200 Baud.
* Automatically selects **AX.25** or **VADC** protocol.
* Remote Command Lockout for repeater control.
* Full 8-digipeater operation in AX.25.
* Over 90 Commands.
* Stores received messages for delayed reading.
* Able to display other calls while connected.
* "Block" and "Transparent" modes for data files.
* Operates as an unattended digipeater.
* "Beacon" mode.
* Signals available for Teletype Motor Control.
* Standard memory is 4K, expanable to 14K.
* 56K RAM available on special order.
* Can be customized for **LAN's**.
* Squelch input for sharing of voice channels.



MODEL PK1
(Shown with 14K RAM and 8K ROM)



Dimensions: 4.5 X 9.5 X 1.5 (inches)

Power Requirement: 12 volts DC at 200 ma.

PK1 -	Subassembly board (wired and tested, less case)	$164.95
M2K -	2K Additional memory, installed and tested	$ 10.00/2k
PKDOC -	Documentation only, refundable on first PK1 purchase	$ 9.95
PKCBL -	Set of 4-ft cables (DB-25 to 10 pin; uncommitted to 10 pin)	$ 19.95
PKCNT -	10 pin edge connector only (2 required)	$ 2.95
PKPWR -	Power supply (115V input)	$ 9.95
PKCAB -	Cabinet kit	$ 34.95
PKTTY -	Teletype adapter (Teletype machine as terminal)	$ 17.95
PKWD1 -	WATCHDOG assembly (for unattended repeater use)	$ 17.95
PKLA1 -	RS232 Level Converter (converts PK1 RS232 to +&- Voltages)	$ 21.95
PKCPK -	CPK Program (specify disc size, format, and computer)	$ 34.95
PKS24 -	Each addl. socket installed for memory expansion - 24 pin	$ 2.00
PKS28 -	Each addl. 28 pin socket	$ 2.25

Please specify Call Sign, SSID Number, and Node Number when ordering.

Contact GLB for additional info and available options.
We offer a complete line of transmitters and receivers, strips, preselector preamps, CWID'ers & synthesizers for amateur & commercial use.
Request our FREE catalog. MC & Visa welcome.

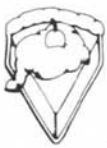
GLB ELECTRONICS, INC.
151 Commerce Pkwy., Buffalo, NY 14224
716-675-6740 9 to 4

EXHIBITORS

ABC Communications, Seattle, Wa.
Accurate Engraving Service, Portland, Or.
Advanced Electronic Applications (AEA), Seattle, Wa.
Amateur Radio Emergency Service (ARES), Local
Amateur Radio Relay Group (ARRG), Beaverton, Or.
American Radio Relay League, Division
AMSAT, Beaverton, Or.
Antronics of Oregon, Aloha, Or.
Buds Specialties, Richland, Wa.
C-COMM, Seattle, Wa.
Cal Rep Engineering, San Diego, Ca.
10-10 City of Roses, Portland, Or.
Curlys Engraving, Portland, Or.
Electronic Put-Ons, Vancouver, Wa.
E.S.C. Products, Redmond, Wa.
Farmers Mountain Repeater Association, Portland, Or.
Free 2m Testing by PRS, Portland, Or.
H Stewart Design, Oregon City, Or.
Hats for Hams, Pomona, Ca.
ICOM America, Seattle, Wa.
KAGIL, Portland, Or.
Larsen Electronics, Vancouver, Wa.
Linn-Benton-Lincoln Emergency Repeater Assoc., Eugene, Or.
M&H Marketing, Seattle, Wa.
Nova Earth Stations, Aloha, Or.
Oregon Tualatin Valley ARC, Beaverton, Or.
Portland ARC, Portland, Or.
Portland Radio Supply, Portland, Or.
Quarter Century Wireless Assoc. (QCWA), Beaver State, Albany, Or.
RF Kit Company, Seattle, Wa.
Solid Wood Call Signs, Milwaukie, Or.
Trio-Kenwood, Los Angeles, Ca.
Tuned Antenna Company, San Diego, Ca.
Willamette Valley DX Club, Portland, Or.
Worldradio, Sacramento, Ca.
Yaesu, Los Angeles, Ca.

Note: *Due to publication deadlines, we apologize if there are any exhibitors not included in the above listing.*

Geri's SEAFOOD & CHICKEN



Drive-thru Window
Orders to Go • Kiddies Menu
Broasted Chicken our Specialty
Banquet Room • Complete Fountain
Full Facilities for the Handicapped



1104 S. Holladay • Seaside, Oregon 97138 • Phone 738-9701

THE DX LINE AT SEASIDE

(THREE NEW, DIFFERENT, USEFUL ITEMS)

THE PATENTED DX QUICKSHIFT MOBILE MOUNT: Displayed at Seaside. Try the action; think about where you need something like this!

THE DX HIDDEN ASSET LOOP ANTENNA: For those who can't have a visible antenna. Broadbanded, low SWR, fed with 50-ohm coax. More gain than a dipole. Plans, or kits with plans, in stock for 2, 6, 10, and 15-meters. See it compared to others.

THE II DX DIRECTIONAL LOOP ANTENNA: Two full-wave loops in a minimum of space. Height 1/4λ, turning radius 1/12λ when vertically polarized. Gain at least 5dBd, F/B up to 10dBd, two nulls with at least 30dB rejection. Fed with 50-ohm coax, 2:1 bandwidth about 1.5% of resonant frequency. Still in development; see a sample compared to a dipole; ask for data.

H. STEWART DESIGNS

P.O. BOX 643, OREGON CITY, OR 97045

MAJOR PRIZES

First Prize: KENWOOD TS 430S Txcvr
(complete station)
Second Prize: YAESU FT 77 Txcvr
Third Prize: ICOM 3200 A Dual Bander
Fourth Prize: ICOM 02AT 2m HT
Early Bird Prize: (Your Choice)
REGENCY MX 3000 Scanner
ASTRON 35 Amp. Power Supply
MIRAGE B108 2m Amp.
Banquet Prize: KENWOOD TH 21AT 2m HT
Hourly Prizes: Posted in the lobby and on stage.
Special Ladies Prize: A weekend for two at a Red Lion/ Thunderbird of your choice. Includes 2 dinners for 2 and Sunday brunch. (Courtesy of Portland Radio.)

PRIZE DONORS

ABC Communications
Accurate Engraving Service
American Radio Relay League
Antronics of Oregon
Buds Specialties
C-COMM
CQ Magazine
Curlys Engraving
Electronic Put-Ons
E.S.C. Products
H Stewart Design
ICOM America
KAGIL
Larsen Electronics
Portland Radio Supply
RF Kit Company
Solid Wood Call Signs
Trio-Kenwood
Tuned Antenna Company
Worldradio
Yaesu

Note: *All registrants, including convention sponsors, are eligible for prize drawings and/or contest awards.*

Note: *Due to publication deadlines, we apologize if there are any prize donors not included in the above listing.*

Welcome to

THE PIZZA HARBOR

QUALITY PIZZA IN A FAMILY ATMOSPHERE

SALAD BAR—FIREPLACE—BEER—WINE—CLAM CHOWDER—
SANDWICHES—BIRTHDAY PARTIES—BANQUET ROOM (Seaside)
BIG SCREEN TV (Cannon Beach)

Welcome to the
North Coast
Enjoy Your Stay!

TWO LOCATIONS

SEASIDE



Downtown
Just Off Broadway
Next To The
Convention Center
738-7210 or 738-9706

CANNON BEACH



Downtown
224 N. Hemlock

436-1328

MILO'S BURGER SHOPPE

Sandwiches
Burgers

ICE CREAM
CONES

OLD FASHIONED MALTS, MILKSHAKES,
FLOATS, COFFEE, TEA, MILK & SOFT DRINKS,
PASTRIES (when available)

ORDERS TO GO
738-3674

409 BROADWAY, DOWNTOWN SEASIDE, OR 97138

CONTRIBUTORS

American Radio Relay League
Dave Bell, W6AQ, Banquet Speaker
Bill Lazzaro, N2CF, ARRL Development Manager
Stuart Meyer, W2GHK, QWCA Nat'l Director
Mary Lewis, W7QGP, ARRL N/W Division Director
Bill Shrader, W7QMU, ARRLK Oregon Section Manager
Rush Drake, W7RM, ARRL N/W Division Vice-Director
Banquet Master of Ceremonies
Canyon Printing, Beaverton
Northwest Bookbinding, Portland
Seaside School District, Seaside
Seaside Safeway, Seaside
Leggs Broadway Pharmacy, Seaside
Our Saviour Lutheran Church, Seaside
Seaside Elks Lodge, Seaside
Ron Mayer, K7BT, (Printing)
Warren Winner, W7JDT, (Printing)
Dale Holcomb, (Graphic Design)
Gib Gibson, W7JIE (Seminar)
Russ Markwart, K7VNS (Seminar)
Dr. Allan Chandler, AEA (Seminar)
Peter Dahl, WA7FUS (Seminar)
Budd Churchward, WB7FHC (Seminar)
Dee Lynch, KA7NPN (Seminar)
Neil Robin, WA7NBF (Seminar)
Tom Rickert, N7CPA (Seminar)
Ken Kopp, KØPP (Seminar)
Vic Seeburger, W7VSE (Seminar)
Ken Glanzer, K7GCO (Seminar)
Chuck & Nancy Campbell, (Seminar)
Mark Walker, W7CLU (Seminar)
Sandy Mikalow, K7OOZ (Seminar)
Larsen Antenna Co., (Seminar)
Roy Lewallen, W7EL (Seminar)
Al Rooner, WA7TMP (Seminar)
GLB Electronics

Note: *Due to publication deadlines, we apologize if there are any contributors not included in the above listing.*

CONVENTION COMMITTEES

Co-Chairmen:
Doc McLendon, W7GWC, North Coast Repeater Association
Al Berg, WB7SIC, Oregon Tualatin Valley ARC
Vice-Chairman:
Warren Winner, W7JDT, Oregon Tualatin Valley ARC
Assistant Chairman:
Ralph Karls, WB7VGS, Oregon Tualatin Valley ARC

North Coast Repeater Association Committee

Registrations, Convention Station, Exhibit Signs, Banquet, Registration Desk, Ladies' Treasure Hunt, Kids' Krayon Korner.

Henry Desler, N7EYT
Allen Fenton, NM7Q
Henry Goetze, W7CXK
Dan Hair, K7IJG
Bill Hosmer, W6LLC
Nolan Marion, WB7TWM
Ray Marion, KA7MGC
Jan Marion
Maye McLendon
Linda Perales
Tim Perales, KD7W
Nancy Sturdevent
Elmer Templeton, KA7BOO
Tom Wagner, W7KLA

Oregon Tualatin Valley Amateur Radio Club Committee

Advertising, Printing & Mailing:
Warren Winner, W7JDT
Ron Mayer, K7BT

Exhibitors:
Randy Stimson, KZ7T
Al Berg, WB7SIC

Treasurer:
Linda Cereghino, N7CZY

Prizes:
Don Branda, N7DDK
Doug Bull, N7CDI
Gary Ward, KD7UZ
Bud Butterfield, KC7PS
Jamie Lash, N7FIU
John Conley, K7DMM

Seminars:
Bob Orr, KB7CC
Warren Winner, W7JDT
Greg Milnes, W7AGQ
Jeff Freedman, K7JF
Ray Deeth, K7VDQ
David Nelson, WB7REC
Mike Farrell, N7GMS

Exhibit Aids:
Wes Allen, K7WWG
Jim Ziegler, KA7TAC
Mike Boyd, N7DKQ
Warren Knight, N7BIJ
Neil McKie, WA6KLA
Mark Cotter, KA7OMW

Flea Market:
Jack Smithson, KA7HOJ
Geno Buell, KA7KBH
Dave Parker, W7LJN
Mark Cotter, KA7OMW
Roger Noyes, KA7RNN
Marvel Noyes, KA7TZT
Bob Gonzales, KD7IH
Jim Ryan, KA7SOQ

Security:
Doc Miller, KA7BSD
Rich Schouweiler, KA5OLH
Signs:
Ralph Karls, WB7VGS
Darwin Durr, K7PSD

The North Coast Repeater Association
and the
Oregon Tualatin Valley Amateur Radio Club

would like to take this opportunity to thank the many hard working individuals who have made the convention a success.

A special thanks to all of the clubs in the Pacific Northwest that were of such great help in advertising the convention.

We are deeply grateful to our many exhibitors for showing us their products. Without them, this would not have been a successful convention.

Until next year...

73 & 88's

Al Berg	WB7SIC
Doc McLendon	W7GWC
Warren Winner	W7JDT

Have a Safe Trip Home

THIS IS AN ARRL SANCTIONED CONVENTION

MAKE PLANS NOW!

To Attend The

1988 ARRL NATIONAL CONVENTION

August, 1988
Red Lion,
Jantzen Beach
Portland, Oregon



THINGS TO SEE & DO

Astor Column. Astoria.

Columbia Lightship. Moored at the Coast Guard Pier at the foot of 16th, Astoria.

Maritime Museum. 17th and Marine Drive, Astoria.

Fort Astoria. 15th & Exchange, Astoria.

Flavel House. Clatsop County Historical Society, 8th & Exchange, Astoria.

Astoria Bridge. A part of U.S. Highway 101, joins Washington and Oregon.

Battery Russell. Fort Stevens State Park.

Peter Iredale. Fort Stevens State Park.

Fort Clatsop. Museum, movie, tour replica of the fort, canoe landing and ranger demonstration.

Salt Cairn. Lewis and Clark Way, Seaside.

Seaside Aquarium. 2nd Ave. & Prom, Seaside.

Turnaround. End of the Lewis & Clark Trail. End of Broadway, Seaside.

Tillamook Rock Lighthouse. Island off Tillamook Head, best viewed from the point at Ecola State Park, Cannon Beach.

Haystack Rock. Third largest monolith, located in Cannon Beach.

Ecola State Park. Beautiful view of Haystack Rock and Tillamook Rock Lighthouse.

Oswald West State Park & Short Sand Beach. Highway 101 South.

Nehalem Winery. Highway 101 South.

Tillamook Cheese Factory. Tillamook.

Tillamook Museum. Tillamook.